

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011099**Date Inspected:** 15-Dec-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu Le Feng, Du Zhi Qun.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Amit K. Juvekar, was present during the times noted above for observations relative to the work being performed.

This QA Inspector observed the following work in progress:

Bay 10, North Tower, Strut.

SMAW welding of weld joint ND1-A6002-8-27, 29; located on Bay 10, North Tower. Welders are identified as 066155; ZPMC Quality Control Inspector (QC) is identified as Chen Ying Xin. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-4113-1.

This QA Inspector carried out NDE on following

Bay 11, Skirt.

This QA inspector performs Random Visual Testing (VT), Magnetic Particle Testing (MT) of approximately 15% area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report (TL-6028) for this date. The members are identified as

1) SSD1-A544A/B-1-1 TO 80.

2) SSD1-A544A/B-2-1 TO 80.

Bay 11, Tower Spare Strut.

This QA inspector performs Random Visual Testing (VT), Magnetic Particle Testing (MT) of approximately 15% area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT

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report(TL-6028) for this date. The members are identified as ND1-A6002-3.

During random Magnetic Particle Testing (MT) of Tower Spare Strut ND1-A6002-6; the Quality Assurance Inspector (QA) observed "Transverse linear indication" of approximately 3mm Length at fillet weld joint ND1-A6002-6-39. ZPMC provided the NDT Notification Sheet # 004865 informing Caltrans QA that they have completed their NDT requirements. This indication was discovered inside of ZPMC personnel's testing area. This QA Inspector also submitted Incident Report on this issue on same date.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge Sinevod, 13482570045, who represents the Office of Structural Materials for your project.

Inspected By:	Juvekar,Amit	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
